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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complet	e if Known
Application Number	09/648,847
Filing Date	08/25/2000
First Named Inventor	Robert Mays Jr.
Group Art Unit	2633
Examiner Name	Li, Shi K.
Attorney Docket Number	MYS-00-02-02

				U.S. PATENT DOCUMEN	TS	
Examiner Initials*	Cite No. <sup>3</sup>	U.S. Patent Do	cument Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant
16	<del>  _  </del>		1	Ostrowsky et al.	05-27-1975	Figures Appear
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<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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xaminer nitials*	Cite No.1	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear
SIL	C1	6,185,215		Aho	02-06-2001	
ME	C2	6,246,680		Muller et al.	06-12-2001	
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Sheet 1 of 2

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Sh	D1	4,296,994		Quick et al.	10-27-1981	
lh	D2	4,359,259		Horner et al.	11-16-1982	
Ste	D3	4,392,709		Horner et al.	07-12-1983	
Sh	D4	5,103,324		Brandstetter	04-07-1992	RECEIVED
Sk	D5	5,442,433	1	Hoshino et al.	08-15-1995	NEOLIVED
Sk	D6	6,486,984		Baney et al.	11-26-2002	APR 2 0 2004
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Complete if Known RASubstitute for form 1449B/PTO **Application Number** 09/648,847 INFORMATION DISCLOSURE 08/25/2000 Filing Date STATEMENT BY APPLICANT **First Named Inventor** Robert Mays Jr. Group Art Unit 2633 (use as many sheets as necessary) **Examiner Name** Li, Shi K. 2 . 2 Attorney Docket Number MYS-00-02-02 Sheet of

OTHER PRIOR	RART - N	ION PATENT LITERATURE DOCUMENTS
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
Sh	D7	"United States Frequency Allocations-1996," http://www.autoid.org/documents/freqallochrt.pdf
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OTHER PRIO	R ART - I	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
Sh	E1	Mays, Robert Jr. "Network Switch Employing Free-Space Optical Switching Technique," U.S. Patent Application Publication 2002/0191598. Published on December 19, 2002.	
Sh	E2	Mays, Robert Jr. "Computer Backplane Employing Free-Space Optical Interconnect," U.S. Patent Application Publication 2002/0089709. Published on July 11, 2002.	
Sh Sh	E3	Mays, Robert Jr. "Network Routing Employing Free-Space Optical Broadcasting," U.S. Patent Application Publication 2002/0191254. Published on December 19, 2002.	
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